

What is claimed is:

1. An apparatus comprising a stand alone communications tower
structurally designed to permit repetitive jacking of the partially
assembled tower upwards and assembling the adjacent lower
section until the tower is completely erected, thus allowing
erection personnel to complete the entire erection at nominal
ground level
2. An apparatus comprising a guy cable supported communications
tower structurally designed to permit repetitive jacking of the
partially assembled guy supported communication tower upwards
and assembling the adjacent lower section until the guy tower is
completely erected, thus allowing erection personnel to complete
the entire erection at nominal ground level
3. An apparatus that simultaneously both jacks upward and restrains
from toppling a stand alone communications tower during its entire
erection process. The tower is structurally designed to permit
repetitive jacking of the partially assembled tower upwards and
assembling the adjacent lower section until the tower is
completely erected, thus allowing erection personnel to complete
the entire erection at nominal ground level.
4. An apparatus that simultaneously both jacks upward and restrains
from toppling a guy cable supported communications tower during
its entire erection process. The guy cable supported
communications tower is structurally designed to permit repetitive
jacking sections of the partially assembled guy tower upwards and
assembling the adjacent lower section until the guy supported
communication tower is completely erected, thus allowing erection
personnel to complete the entire erection at nominal ground level.
5. An apparatus that restrains the stand alone communications tower
from tipping over during the erection process during the period

that the jacking apparatus is disengaged from raised position and is being lowered and re-engaged at the lower position.

- 5 6. An apparatus that restrains the guy cable supported communications tower from tipping over during the erection process by the jacking apparatus.
7. An apparatus that allows more efficient fabrication and erection of stand alone communications towers.
- 10 8. An apparatus that allows more efficient fabrication and erection of guy cable supported communications towers
- 15 9. An apparatus that allows for the installation at the ground level of antenna, cabling from the ground level to the antenna, signage, etc on stand alone communications towers.
- 20 10. An apparatus that allows for the installation at the ground level of antenna, cabling from the ground level to the antenna, signage, etc. on guy cable supported communications towers.
- 25 11. An apparatus that provides safer working conditions to the erection personnel during the erection of stand alone communications towers
12. An apparatus that provides safer working conditions to the erection personnel during the erection of guy cable supported communications towers
- 30 13. An apparatus as claimed herein for the erection of any tower where erection of that tower at the ground level by jacking up the partially assembled components is beneficial